

RECREATIONAL WATER

MATERIAL SAFETY DATA SHEET

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|-----------------|--------------------------|----------------|----------|
| Product Name: | POOL TIME FILTER CLEANER | Date Prepared: | 09/02/94 |
| Product Number: | RPTM23756 | Supersedes: | 09/02/94 |

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|--|
| Product Identifier: | RPTM23756 |
| Product Use: | Filter Cleaner |
| Product Description: | POOL TIME FILTER CLEANER |
| Chemical Family: | Mixture |
| Technical Name: | Not Applicable |
| Manufacturer/Supplier: | Emergency Telephone Numbers: |
| RECREATIONAL WATER P.O. BOX 887 SCOTSDALE, GEORGIA 30079 800-949-SWIM (7946) | CHEMTREC (800)424-9300 Health (303)623-5716 Prepared: REGULATORY AFFAIRS |

SECTION 2 - HAZARDOUS COMPONENTS

| COMPONENT | WT% | CAS Number |
|-------------------------------------|-------|------------|
| Dipropylene glycol monomethyl ether | 6.0 % | 34590-94-8 |
| Sodium Hydroxide | 4.0 % | 1310-73-2 |
| Dodecylbenzenesulfonic Acid | 2.9 % | 27176-87-0 |

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: DANGER: Highly Corrosive. Causes skin and eye damage. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or safety glasses and rubber gloves when handling this product. Avoid breathing vapors. Remove and wash contaminated clothing before use.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: DANGER: Highly Corrosive. Causes eye damage. Do not get in eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: DANGER: Highly Corrosive. Causes skin damage. Do not get on skin.

EFFECTS OF OVEREXPOSURE - INHALATION: Irritating to nose and throat. Avoid breathing vapors.

EFFECTS OF OVEREXPOSURE - INGESTION: May be fatal if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: There are no known chronic hazards.

PRIMARY ROUTE(S) OF ENTRY: Skin Contact, Inhalation, Ingestion, Eye Contact

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SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: If contact with eyes occurs: Immediately flush with cold water for at least 15 minutes. Then get immediate medical attention.

FIRST AID - SKIN CONTACT: If contact with skin: Wash off excess chemical with soap and water and flush skin with cold water for at least 15 minutes. If irritation persists, get medical attention.

FIRST AID - INHALATION: If inhaled: Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If not breathing, give artificial respiration. Call a physician immediately.

FIRST AID - INGESTION: If swallowed: Drink large amounts of water. Do not induce vomiting.

Avoid alcohol. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician or poison control center. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5 - FIRE FIGHTING MEASURES

Flashpoint and Method: None

Flammable Limits:

LEL: N.A.

UEL: N.A.

Autoignition Temperature:

EXTINGUISHING MEDIA: Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: There are no unusual fire and explosion hazards known.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spilled material. Cover the liquid with a inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

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SECTION 7 - HANDLING AND STORAGE

HANDLING: Mix only with water. Do not mix with other chemicals. Use clean dry utensils. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with other chemicals may start a chemical reaction generating heat, hazardous gases, fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well ventilated area. Flood area with large volumes of water, if necessary.

STORAGE: Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area away from heat or open flame. Do not add any other product to container. Never return unused product to container; dispose of product in accordance with local, state, or federal regulations.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

| Component | Source | Value |
|-------------------------------------|-----------------------|--|
| Dipropylene glycol monomethyl ether | OSHA TWA ACGIH TLV | 100 ppm 100 ppm |
| Sodium Hydroxide | OSHA TWA ACGIH TLV | 2 mg/m ³ 2 mg/m ³ |
| Dodecylbenzenesulfonic Acid | OSHA TWA ACGIH TLV | Not Established. Not Established. |

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to maintain exposure below TLV.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Wear rubber gloves when handling this product. Avoid contact with skin.

EYE PROTECTION: Wear goggles or safety glasses with side shields when handling this product.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower.

HYGIENIC PRACTICES: Remove and wash contaminated clothing before reuse.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|------------------------------|
| Vapor Pressure: | Est. 17 mm Hg |
| Specific Gravity: | 1.0 |
| Solubility: | Miscible in Water |
| pH: | 7.0 - |
| Melting Point: | Not Applicable. |
| Boiling Point: | 212 F |
| Viscosity: | Not Available |
| Vapor Density (Air = 1): | Is heavier than air |
| Evaporation Rate (n-Butyl Acetate = 1): | Is slower than Butyl Acetate |
| Odor: | Odorless |
| Appearance: | Purple |
| Physical State: | Liquid |
| Partition Coefficient (n-octanol/water): | Not Available. |

SECTION 10 - STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal conditions.

CONDITIONS TO AVOID: High Temperature. Poor Ventilation. Contamination. Moisture / High Humidity.

INCOMPATIBILITY: Avoid contact with water on concentrated material in the container. Avoid contact with easily oxidizable material. Ammonia, urea, or similar nitrogen containing compounds. Inorganic reducing compounds. Other swimming pool/spa chemicals in their concentrated forms.

HAZARDOUS DECOMPOSITION PRODUCTS: Vapors/fumes of organic/inorganic materials plus oxides of carbon may be emitted.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Toxicological studies indicate this product to be corrosive to skin and eyes. It is not a mutagen or teratogen. It is not listed as a carcinogen by OSHA, EPA, NTP, or IARC.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

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SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not put product, spilled product, or filled or partially filled containers into the trash or waste compactor. Contact with incompatible materials could cause a reaction or fire. Do not reuse container. Rinse thoroughly before discarding in trash. Disposal of unused, uncontaminated product is regulated according to local, state and federal regulations.

SECTION 14 - TRANSPORTATION INFORMATION**DOT:**

| | |
|------------------------|-------------------------|
| Proper Shipping Name: | Corrosive Liquid N.O.S. |
| Hazard Class: | 8 |
| Identification Number: | UN 1760 |
| Packing Group: | III Limited Quantity |
| RQ: | No RQ. |

SECTION 15 - REGULATORY INFORMATION**FEDERAL:**

OSHA (Occupational Safety and Health Act):

Product is hazardous by definition of the Hazard Communication Standard.

TSCA (Toxic Substance Control Act):

This product or its components are listed on the TSCA Inventory.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

This product or its components are not subject to export notification.

FIFRA (Federal Insecticide, Fungicide, Rodenticide Act):

This product is not a registered pesticide.

CERCLA (Comprehensive Response, Compensation and Liability Act):

Sodium Hydroxide

Category C

RQ 1000 lbs.

Dodecylbenzenesulfonic Acid

Category C

RQ 1000 lbs.

SARA (Superfund Amendments and Reauthorization Act):

SARA 313: This product or its components are not listed.

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| SECTION 16 - OTHER INFORMATION | | | | |
|--------------------------------|-----------------|---------------|------------------------|--|
| NFPA: Health: 3 | Flammability: 1 | Reactivity: 1 | Personal Protection: B | |
| HMIS: Health: 3 | Flammability: 1 | Reactivity: 1 | | |
| REVISION SUMMARY: | | | | |

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as arecommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.